

(FILE 'HOME' ENTERED AT 13:46:03 ON 03 OCT 2001)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 13:46:14 ON 03 OCT 2001

L1 16834 S CLOSTRIDIUM DIFFICILE
L2 3180 S TOXIN A AND L1
L3 2156 S TOXIN B AND L1
L4 1288 S L2 AND L3
L5 17 S L4 AND STREPTOCOCCUS PNEUMONIAE
L6 4 S L4 AND SHIGELLA FLEXNERI
L7 92 S L4 AND ESCHERICHIA COLI
L8 4 S L4 AND NEISSERIA MENINGITIDIS
L9 21 S L4 AND STAPHYLOCOCCUS AUREUS

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L9 21 S L4 AND STAPHYLOCOCCUS AUREUS
L10 15 S L5 AND COMPOSITION
L11 2 S L6 AND COMPOSITION
L12 25 S L7 AND COMPOSITION
L13 2 S L8 AND COMPOSITION
L14 13 S L9 AND COMPOSITION
L15 15 DUP REM L10 (0 DUPLICATES REMOVED)
L16 2 DUP REM L11 (0 DUPLICATES REMOVED)
L17 25 DUP REM L12 (0 DUPLICATES REMOVED)
L18 2 DUP REM L13 (0 DUPLICATES REMOVED)
L19 13 DUP REM L14 (0 DUPLICATES REMOVED)
L20 2 S L10 AND L11 AND L12 AND L13 AND L14
L21 1 S L20 AND PHARMACEUTICAL

=>

=> d l12 ibib 1-25

L12 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:742256 CAPLUS
DOCUMENT NUMBER: 133:295361
TITLE: **Clostridium difficile recombinant toxin A** repeating units as a carrier protein for conjugate vaccines
INVENTOR(S): Wilkins, Tracy D.; Lylerly, David M.; Moncrief, J. Scott; Pavliakova, Danka; Scheerson, Rachel; Robbins, John B.
PATENT ASSIGNEE(S): Techlab, Inc., USA; United States Dept. of Health and Human Services
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061761	A2	20001019	WO 2000-US9523	20000410
WO 2000061761	A3	20010222		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-128686	P 19990409
			US 2000-186201	P 20000301

L12 ANSWER 2 OF 25 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:117249 CAPLUS
DOCUMENT NUMBER: 132:161232
TITLE: Compounds, including saccharide compounds, for treatment of bacterial infections, and preparation thereof
INVENTOR(S): Bundle, David R.; Kitov, Pavel; Read, Randy J.; Ling, Hong; Armstrong, Glen
PATENT ASSIGNEE(S): The Governors of the University of Alberta, Can.
SOURCE: PCT Int. Appl., 96 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000008467	A2	20000217	WO 1999-CA725	19990806
WO 2000008467	A3	20000706		
W: AU, CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5962423	A	19991005	US 1998-130495	19980807
AU 9951450	A1	20000228	AU 1999-51450	19990806
EP 1102779	A2	20010530	EP 1999-936219	19990806
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.: US 1998-130495 A 19980807
US 1999-317290 A 19990524
WO 1999-CA725 W 19990806

L12 ANSWER 3 OF 25 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 1998307575 EMBASE
TITLE: The complete DNA sequence and analysis of the large
virulence plasmid of **Escherichia coli**
O157:H7.
AUTHOR: Burland V.; Shao Y.; Perna N.T.; Plunkett G.; Sofia H.J.;
Blattner F.R.
CORPORATE SOURCE: V. Burland, Laboratory of Genetics, University of
Wisconsin, 445 Henry Mall, Madison, WI 53706, United
States. ecoli@genetics.wisc.edu
SOURCE: Nucleic Acids Research, (15 Sep 1998) 26/18 (4196-4204).
Refs: 75
ISSN: 0305-1048 CODEN: NARHAD
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L12 ANSWER 4 OF 25 USPATFULL
ACCESSION NUMBER: 2001:157785 USPATFULL
TITLE: Ionic polymers as toxin-binding agents
INVENTOR(S): Fitzpatrick, Richard, Marblehead, MA, United States
Huval, Chad Cori, Somerville, MA, United States
Bacon Kurtz, Caroline Isabelle, Sudbury, MA, United
States
Mandeville, III, W. Harry, Lynnfield, MA, United States
Neenan, Thomas X., Cambridge, MA, United States
PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6290947	B1	20010918
APPLICATION INFO.:	US 2000-597343		20000619 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-412474, filed on 5 Oct 1999, now abandoned Continuation of Ser. No. US 1997-934495, filed on 19 Sep 1997, now patented, Pat. No. US 6007803		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.		
NUMBER OF CLAIMS:	49		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2094		

L12 ANSWER 5 OF 25 USPATFULL
ACCESSION NUMBER: 2001:157784 USPATFULL
TITLE: Anionic polymers as toxin binders and antibacterial
agents
INVENTOR(S): Kurtz, Caroline Isabelle Bacon, Sudbury, MA, United
States
Fitzpatrick, Richard, Marblehead, MA, United States
PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6290946	B1	20010918

APPLICATION INFO.: US 2000-569276 20000511 (9)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-541268, filed
on 3 Apr 2000

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-133975	19990513 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Fubara, Blessing	
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	1935	

L12 ANSWER 6 OF 25 USPATFULL
ACCESSION NUMBER: 2001:139158 USPATFULL
TITLE: Pneumococcal surface protein C (PspC), epitopic regions
and strain selection thereof, and uses therefor
INVENTOR(S): Briles, David E., Birmingham, AL, United States
Hollingshead, Susan K., Birmingham, AL, United States
Brooks-Walter, Alexis, Birmingham, AL, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001016200	A1	20010823
APPLICATION INFO.:	US 2000-748875	A1	20001226 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-298523, filed on 23 Apr 1999, PENDING		

	NUMBER	DATE	
PRIORITY INFORMATION:	US 1998-82728	19980423 (60)	
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FROMMER LAWRENCE & HAUG, 745 FIFTH AVENUE, NEW YORK, NY, 10151		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	50 Drawing Page(s)		
LINE COUNT:	1911		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L12 ANSWER 7 OF 25 USPATFULL
ACCESSION NUMBER: 2001:125541 USPATFULL
TITLE: Anionic polymers as toxin binders
INVENTOR(S): Bacon Kurtz, Caroline Isabelle, Sudbury, MA, United
States
PATENT ASSIGNEE(S): Fitzpatrick, Richard, Marblehead, MA, United States
GelTex Pharmaceuticals, Inc., Waltham, MA, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6270755	B1	20010807
APPLICATION INFO.:	US 2000-541268		20000403 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-133975	19990513 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	

PRIMARY EXAMINER: Page, Thurman K.
ASSISTANT EXAMINER: Fubara, Blessing
LEGAL REPRESENTATIVE: Hamilton, Brook, Smith & Reynolds, P.C.
NUMBER OF CLAIMS: 31
EXEMPLARY CLAIM: 1
LINE COUNT: 1310
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 8 OF 25 USPATFULL
ACCESSION NUMBER: 2001:67794 USPATFULL
TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities
INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6228983	B1	20010508
APPLICATION INFO.:	US 1995-485264		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-470896, filed on 6 Jun 1995 Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Laurie		
ASSISTANT EXAMINER:	Parkin, Jeffrey S.		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	62		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	84 Drawing Figure(s); 83 Drawing Page(s)		
LINE COUNT:	32166		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L12 ANSWER 9 OF 25 USPATFULL
ACCESSION NUMBER: 2001:8034 USPATFULL
TITLE: 1-galactose derivatives having a carbon- or nitrogen-containing aglycon linkage
INVENTOR(S): Hindsgaul, Ole, Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6174867	B1	20010116
APPLICATION INFO.:	US 1998-75427		19980508 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lee, Howard C.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis LLP		
NUMBER OF CLAIMS:	64		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1979		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L12 ANSWER 10 OF 25 USPATFULL
ACCESSION NUMBER: 2000:88168 USPATFULL
TITLE: Saccharide derivatives

INVENTOR(S): Hindsgaul, Ole, Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6087339		20000711
APPLICATION INFO.:	US 1997-970751		19971114 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-751510, filed on 15 Nov 1996		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-30794	19961114 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Peselev, Elli	
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, LLP	
NUMBER OF CLAIMS:	71	
EXEMPLARY CLAIM:	19, 20, 21, 34	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	3550	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 11 OF 25 USPATFULL
ACCESSION NUMBER: 2000:80408 USPATFULL
TITLE: Compositions for the prevention and treatment
of verotoxin-induced disease
INVENTOR(S): Williams, James A., Lincoln, NE, United States
Byrne, Lisa Marie, Stoughton, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Wisconsin, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6080400		20000627
APPLICATION INFO.:	US 1997-816977		19970313 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-410058, filed on 24 Mar 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Housel, James C.		
ASSISTANT EXAMINER:	Devi, S.		
LEGAL REPRESENTATIVE:	Medlen & Carroll, LLP		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	5468		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 12 OF 25 USPATFULL
ACCESSION NUMBER: 1999:170197 USPATFULL
TITLE: Ionic polymers as toxin binding agents
INVENTOR(S): Mandeville, III, W. Harry, Lynnfield, MA, United States
Neenan, Thomas X., Boston, MA, United States
PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6007803		19991228
APPLICATION INFO.:	US 1997-934495		19970919 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		

PRIMARY EXAMINER: Clardy, S. Mark
ASSISTANT EXAMINER: Shelborne, Kathryn E.
LEGAL REPRESENTATIVE: Hamilton, Brook, Smith & Reynolds, P.C.
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
LINE COUNT: 1832
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 13 OF 25 USPATFULL
ACCESSION NUMBER: 1999:128523 USPATFULL
TITLE: 1-thiogalactose derivatives
INVENTOR(S): Hindsgaul, Ole, Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5968907		19991019
APPLICATION INFO.:	US 1997-970384		19971114 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-751510, filed on 15 Nov 1996, now patented, Pat. No. US 5780603		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-30794	19961114 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Peselev, Elli	
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, LLP	
NUMBER OF CLAIMS:	87	
EXEMPLARY CLAIM:	66,80	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	4579	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 14 OF 25 USPATFULL
ACCESSION NUMBER: 1999:125055 USPATFULL
TITLE: Combinatorial synthesis of carbohydrate libraries
INVENTOR(S): Hindsgaul, Ole, Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5965719		19991012
APPLICATION INFO.:	US 1997-971222		19971114 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-751231, filed on 15 Nov 1996, now patented, Pat. No. US 5780603		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fonda, Kathleen K.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, LLP		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	3601		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 15 OF 25 USPATFULL
ACCESSION NUMBER: 1999:96348 USPATFULL
TITLE: Treatment of cholera
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
 Armstrong, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S.

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5939397		19990817
	WO 9639191		19961212
APPLICATION INFO.:	US 1998-973630		19980325 (8)
	WO 1996-CA251		19960418
			19980325 PCT 371 date
			19980325 PCT 102(e) date
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Jordan, Kimberly		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, LLP		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1237		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L12 ANSWER 16 OF 25 USPATFULL
ACCESSION NUMBER: 1999:89130 USPATFULL
TITLE: 1-galactose derivatives
INVENTOR(S): Hindsgaul, Ole, Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5932554		19990803
APPLICATION INFO.:	US 1997-970749		19971114 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-751510, filed on 15 Nov 1996		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-30794	19961114 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Peselev, Elli	
LEGAL REPRESENTATIVE:	Burns Doane Swecker & Mathis	
NUMBER OF CLAIMS:	62	
EXEMPLARY CLAIM:	14, 27	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	2244	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L12 ANSWER 17 OF 25 USPATFULL
ACCESSION NUMBER: 1999:75321 USPATFULL
TITLE: Clostridium difficile toxins as mucosal adjuvants
INVENTOR(S): Thomas, Jr., William D., Winchester, MA, United States
Monath, Thomas P., Harvard, MA, United States
Zhang, Zhenxi, Cambridge, MA, United States
Torres-Lopez, Francisco Javier, San Clemente, Mexico
Lei, Wende, Cambridge, MA, United States
Lyerly, David M., Radford, VA, United States
Moncrief, James S., Christiansburg, VA, United States
PATENT ASSIGNEE(S): OraVax, Inc., Cambridge, MA, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5919463		19990706
APPLICATION INFO.:	US 1995-543708		19951016 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1995-499384, filed on 7 Jul 1995, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Hutzell, Paula K.
ASSISTANT EXAMINER: Masood, Khalid
LEGAL REPRESENTATIVE: Clark & Elbing LLP
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 992
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 18 OF 25 USPATFULL
ACCESSION NUMBER: 1998:122384 USPATFULL
TITLE: Treatment of cholera
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
ARMSTRONG, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5817633		19981006
APPLICATION INFO.:	US 1996-678059		19960709 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-460893, filed on 5 Jun 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Peselev, Elli		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, L.L.P.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1160		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L12 ANSWER 19 OF 25 USPATFULL
ACCESSION NUMBER: 1998:118999 USPATFULL
TITLE: Recombinant clostridial toxin protein
INVENTOR(S): Williams, James A., Madison, WI, United States
Kink, John A., Madison, WI, United States
Clemens, Christopher M., Madison, WI, United States
Carroll, Sean B., Cottage Grove, WI, United States
Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5814477		19980929
APPLICATION INFO.:	US 1995-457048		19950601 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-161907, filed on 2 Dec 1993, now patented, Pat. No. US 5601823 which is a continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 which is a continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented, Pat. No. US 5196193, issued on 23 Mar 1993		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Eisenschenk, Frank C.		
LEGAL REPRESENTATIVE:	Medlen & Carroll, LLP		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 14 Drawing Page(s)		
LINE COUNT:	3080		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 20 OF 25 USPATFULL
ACCESSION NUMBER: 1998:115724 USPATFULL
TITLE: Treatment of cholera
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
ARMSTRONG, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5811409		19980922
APPLICATION INFO.:	US 4608933		19950605 (8)
DOCUMENT TYPE:		Utility	
FILE SEGMENT:		Granted	
PRIMARY EXAMINER:		Peselev, Elli	
LEGAL REPRESENTATIVE:		Burns, Doane, Swecker & Mathis, L.L.P.	
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:		9 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	1292		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 21 OF 25 USPATFULL
ACCESSION NUMBER: 1998:75157 USPATFULL
TITLE: Therapeutic treatment of **clostridium difficile** associated diseases
INVENTOR(S): Bostwick, Eileen F., Dayton, MN, United States
Hoerr, Robert A., Long Lake, MN, United States
PATENT ASSIGNEE(S): GalaGen Inc., Arden Hills, MN, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5773000		19980630
APPLICATION INFO.:	US 1996-730437		19961015 (8)
RELATED APPLN. INFO.:		Continuation of Ser. No. US 1994-300918, filed on 6 Sep 1994, now abandoned	
DOCUMENT TYPE:		Utility	
FILE SEGMENT:		Granted	
PRIMARY EXAMINER:		Loring, Susan A.	
LEGAL REPRESENTATIVE:		Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.	
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:		10 Drawing Figure(s); 10 Drawing Page(s)	
LINE COUNT:	733		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 22 OF 25 USPATFULL
ACCESSION NUMBER: 1998:64730 USPATFULL
TITLE: **Clostridium difficile** toxin disease
therapy
INVENTOR(S): Williams, James A., Madison, WI, United States
Kink, John A., Madison, WI, United States
Clemens, Christopher M., Madison, WI, United States
Carroll, Sean B., Cottage Grove, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Madison, WI, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5762934		19980609
APPLICATION INFO.:	US 1995-456847		19950601 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1993-161907, filed on 2 Dec 1993, now patented, Pat. No. US 5601823 which is a continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 which is a continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented, Pat. No. US 5196193 And Ser. No. US 1992-842709, filed on 26 Feb 1992, now abandoned which is a continuation-in-part of Ser. No. US -429791

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Eisenschenk, Frank C.

LEGAL REPRESENTATIVE: Medlen & Carroll, LLP

NUMBER OF CLAIMS: 16

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 16 Drawing Figure(s); 9 Drawing Page(s)

LINE COUNT: 3124

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 23 OF 25 USPATFULL

ACCESSION NUMBER: 1998:33612 USPATFULL

TITLE: Oral rehydration solution containing indigestible oligosaccharides

INVENTOR(S): Wolf, Bryan Warren, Newark, OH, United States
Garleb, Keith Allen, Powell, OH, United States
Campbell, Sheila Martinson, Worthington, OH, United States

Meulbroek, Jonathan Allan, Grayslake, IL, United States
Wheeler, Keith Brian, Dublin, OH, United States

Walton, Joseph Edward, Westerville, OH, United States
Abbott Laboratories, Abbott Park, IL, United States

PATENT ASSIGNEE(S): (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5733579 19980331

APPLICATION INFO.: US 1995-417411 19950405 (8)

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Weddington, Kevin E.

LEGAL REPRESENTATIVE: Drayer, Lonnie, Nickey, Donald O., Brainard, Thomas D.

NUMBER OF CLAIMS: 8

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 12 Drawing Figure(s); 8 Drawing Page(s)

LINE COUNT: 869

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 24 OF 25 USPATFULL

ACCESSION NUMBER: 97:76113 USPATFULL

TITLE: Treatment of cholera

INVENTOR(S): Heerze, Louis D., Edmonton, Canada

Armstrong, Glen D., Edmonton, Canada

PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5661131 19970826

APPLICATION INFO.: US 1995-442457 19950605 (8)

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Jordan, Kimberln R.

LEGAL REPRESENTATIVE: Burns, Doane, Swecker & Mathis, L.L.P.

NUMBER OF CLAIMS: 12

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 9 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 1273
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 25 OF 25 USPATFULL
ACCESSION NUMBER: 97:12173 USPATFULL
TITLE: Avian antitoxins to clostridium difficile toxin
A
INVENTOR(S): Williams, James A., Madison, WI, United States
Kink, John A., Madison, WI, United States
Clemens, Christopher M., Madison, WI, United States
Carroll, Sean B., Cottage Grove, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5601823		19970211
APPLICATION INFO.:	US 1993-161907		19931202 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 which is a continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented, Pat. No. US 5196193		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Eisenschenk, Frank C.		
LEGAL REPRESENTATIVE:	Medlen & Carroll, LLP		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	14 Drawing Figure(s); 14 Drawing Page(s)		
LINE COUNT:	3128		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L20 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:742256 CAPLUS
DOCUMENT NUMBER: 133:295361
TITLE: **Clostridium difficile recombinant toxin A** repeating units as a carrier protein for conjugate vaccines
INVENTOR(S): Wilkins, Tracy D.; Lylerly, David M.; Moncrief, J. Scott; Pavliakova, Danka; Scheerson, Rachel; Robbins, John B.
PATENT ASSIGNEE(S): Techlab, Inc., USA; United States Dept. of Health and Human Services
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061761	A2	20001019	WO 2000-US9523	20000410
WO 2000061761	A3	20010222		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-128686	P 19990409
			US 2000-186201	P 20000301

L20 ANSWER 2 OF 2 USPATFULL
ACCESSION NUMBER: 2001:67794 USPATFULL
TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities
INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6228983	B1	20010508
US 1995-485264		19950607 (8)
RELATED APPLN. INFO.:		Division of Ser. No. US 1995-470896, filed on 6 Jun 1995 Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Scheiner, Laurie	
ASSISTANT EXAMINER:	Parkin, Jeffrey S.	
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP	
NUMBER OF CLAIMS:	62	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	84 Drawing Figure(s); 83 Drawing Page(s)	

LINE COUNT: 32166
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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=> d ibib 110 1-15

L10 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:742256 CAPLUS
DOCUMENT NUMBER: 133:295361
TITLE: **Clostridium difficile recombinant toxin A repeating units as a carrier protein for conjugate vaccines**
INVENTOR(S): Wilkins, Tracy D.; Lylerly, David M.; Moncrief, J. Scott; Pavliakova, Danka; Scheerson, Rachel; Robbins, John B.
PATENT ASSIGNEE(S): Techlab, Inc., USA; United States Dept. of Health and Human Services
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061761	A2	20001019	WO 2000-US9523	20000410
WO 2000061761	A3	20010222		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-128686	P 19990409
			US 2000-186201	P 20000301

L10 ANSWER 2 OF 15 USPATFULL
ACCESSION NUMBER: 2001:157785 USPATFULL
TITLE: Ionic polymers as toxin-binding agents
INVENTOR(S): Fitzpatrick, Richard, Marblehead, MA, United States
Huval, Chad Cori, Somerville, MA, United States
Bacon Kurtz, Caroline Isabelle, Sudbury, MA, United States
Mandeville, III, W. Harry, Lynnfield, MA, United States
Neenan, Thomas X., Cambridge, MA, United States
PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6290947	B1	20010918
US 2000-597343		20000619 (9)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-412474, filed on 5 Oct 1999, now abandoned Continuation of Ser. No. US 1997-934495, filed on 19 Sep 1997, now patented, Pat. No. US 6007803		
PATENT INFORMATION:		
DOCUMENT TYPE: Utility		
FILE SEGMENT: GRANTED		
PRIMARY EXAMINER: Dodson, Shelley A.		
LEGAL REPRESENTATIVE: Hamilton, Brook, Smith & Reynolds, P.C.		
NUMBER OF CLAIMS: 49		
EXEMPLARY CLAIM: 1		
LINE COUNT: 2094		

L10 ANSWER 3 OF 15 USPATFULL
ACCESSION NUMBER: 2001:157784 USPATFULL
TITLE: Anionic polymers as toxin binders and antibacterial agents
INVENTOR(S): Kurtz, Caroline Isabelle Bacon, Sudbury, MA, United States
PATENT ASSIGNEE(S): Fitzpatrick, Richard, Marblehead, MA, United States
GelTex Pharmaceuticals, Inc., Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6290946	B1	20010918
APPLICATION INFO.:	US 2000-569276		20000511 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-541268, filed on 3 Apr 2000		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-133975	19990513 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Fubara, Blessing	
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	1935	

L10 ANSWER 4 OF 15 USPATFULL
ACCESSION NUMBER: 2001:139158 USPATFULL
TITLE: Pneumococcal surface protein C (PspC), epitopic regions and strain selection thereof, and uses therefor
INVENTOR(S): Briles, David E., Birmingham, AL, United States
Hollingshead, Susan K., Birmingham, AL, United States
Brooks-Walter, Alexis, Birmingham, AL, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001016200	A1	20010823
APPLICATION INFO.:	US 2000-748875	A1	20001226 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-298523, filed on 23 Apr 1999, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-82728	19980423 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FROMMER LAWRENCE & HAUG, 745 FIFTH AVENUE, NEW YORK, NY, 10151	
NUMBER OF CLAIMS:	27	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	50 Drawing Page(s)	
LINE COUNT:	1911	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 5 OF 15 USPATFULL
ACCESSION NUMBER: 2001:125541 USPATFULL
TITLE: Anionic polymers as toxin binders
INVENTOR(S): Bacon Kurtz, Caroline Isabelle, Sudbury, MA, United States
Fitzpatrick, Richard, Marblehead, MA, United States

PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6270755	B1	20010807
APPLICATION INFO.:	US 2000-541268		20000403 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-133975	19990513 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Fubara, Blessing	
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1310	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L10 ANSWER 6 OF 15 USPATFULL
ACCESSION NUMBER: 2001:67794 USPATFULL
TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities
INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6228983	B1	20010508
APPLICATION INFO.:	US 1995-485264		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-470896, filed on 6 Jun 1995 Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Laurie		
ASSISTANT EXAMINER:	Parkin, Jeffrey S.		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	62		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	84 Drawing Figure(s); 83 Drawing Page(s)		
LINE COUNT:	32166		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L10 ANSWER 7 OF 15 USPATFULL
ACCESSION NUMBER: 2000:109787 USPATFULL
TITLE: Treatment of C. difficile toxin B associated conditions
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
Armstrong, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): SYNSORB Biotech, Inc., Calgary, Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6107282		20000822

APPLICATION INFO.: US 1999-419790 19991018 (9)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-85032, filed on 28 May
1998, now patented, Pat. No. US 6013635
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Fonda, Kathleen K.
LEGAL REPRESENTATIVE: Burns, Doane, Swecker & Mathis, LLP
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1256
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 8 OF 15 USPATFULL
ACCESSION NUMBER: 2000:4797 USPATFULL
TITLE: Treatment of *C. difficile toxin B*
associated conditions
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
Armstrong, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6013635		20000111
APPLICATION INFO.:	US 1998-85032		19980528 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fonda, Kathleen K.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, L.L.P.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1139		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 9 OF 15 USPATFULL
ACCESSION NUMBER: 1999:170197 USPATFULL
TITLE: Ionic polymers as toxin binding agents
INVENTOR(S): Mandeville, III, W. Harry, Lynnfield, MA, United States
Neenan, Thomas X., Boston, MA, United States
PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6007803		19991228
APPLICATION INFO.:	US 1997-934495		19970919 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Clardy, S. Mark		
ASSISTANT EXAMINER:	Shelborne, Kathryne E.		
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1832		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 10 OF 15 USPATFULL
ACCESSION NUMBER: 1999:96348 USPATFULL
TITLE: Treatment of cholera
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
Armstrong, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S.

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5939397		19990817
	WO 9639191		19961212
APPLICATION INFO.:	US 1998-973630		19980325 (8)
	WO 1996-CA251		19960418
			19980325 PCT 371 date
			19980325 PCT 102(e) date
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Jordan, Kimberly		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, LLP		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1237		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L10 ANSWER 11 OF 15 USPATFULL
ACCESSION NUMBER: 1998:122384 USPATFULL
TITLE: Treatment of cholera
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
Armstrong, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5817633		19981006
APPLICATION INFO.:	US 1996-678059		19960709 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-460893, filed on 5 Jun 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Peselev, Elli		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, L.L.P.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1160		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L10 ANSWER 12 OF 15 USPATFULL
ACCESSION NUMBER: 1998:115724 USPATFULL
TITLE: Treatment of cholera
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
Armstrong, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5811409		19980922
APPLICATION INFO.:	US 4608933		19950605 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Peselev, Elli		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, L.L.P.		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1292		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L10 ANSWER 13 OF 15 USPATFULL
ACCESSION NUMBER: 97:76113 USPATFULL
TITLE: Treatment of cholera
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
ARMSTRONG, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb Biotech, Inc., Calgary, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5661131		19970826
APPLICATION INFO.:	US 1995-442457		19950605 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Jordan, Kimberln R.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, L.L.P.		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1273		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L10 ANSWER 14 OF 15 USPATFULL
ACCESSION NUMBER: 97:47510 USPATFULL
TITLE: Method of binding and removing **toxin A**
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
Armstrong, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Synsorb, Biotech Inc., Alberta, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5635606		19970603
APPLICATION INFO.:	US 1995-450572		19950525 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-195009, filed on 14 Feb 1994, now patented, Pat. No. US 5484773		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Peselev, Elli		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, L.L.P.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1059.		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L10 ANSWER 15 OF 15 USPATFULL
ACCESSION NUMBER: 96:5776 USPATFULL
TITLE: Treatment of antibiotic associated diarrhea
INVENTOR(S): Heerze, Louis D., Edmonton, Canada
Armstrong, Glen D., Edmonton, Canada
PATENT ASSIGNEE(S): Alberta Research Council, Edmonton, Canada (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5484773		19960116
APPLICATION INFO.:	US 1994-195009		19940214 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Griffin, Ronald W.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, Swiss, Gerald F.,		

Dillahunty, Mary Ann
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 1107
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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21 ANSWER 1 OF 1 USPATFULL

ACCESSION NUMBER: 2001:67794 USPATFULL
TITLE: Human respiratory syncytial virus peptides with
antifusogenic and antiviral activities
INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S.
corporation)

	NUMBER	KIND	DATE
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PATENT INFORMATION: US 6228983 B1 20010508
APPLICATION INFO.: US 1995-485264 19950607 (8)
RELATED APPLN. INFO.: Division of Ser. No. US 1995-470896, filed on 6 Jun
1995 Continuation-in-part of Ser. No. US 1994-360107,
filed on 20 Dec 1994 Continuation-in-part of Ser. No.
US 1994-255208, filed on 7 Jun 1994
Continuation-in-part of Ser. No. US 1993-73028, filed
on 7 Jun 1993, now patented, Pat. No. US 5464933
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Scheiner, Laurie
ASSISTANT EXAMINER: Parkin, Jeffrey S.
LEGAL REPRESENTATIVE: Pennie & Edmonds LLP
NUMBER OF CLAIMS: 62
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 84 Drawing Figure(s); 83 Drawing Page(s)
LINE COUNT: 32166
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:742256 CAPLUS
DOCUMENT NUMBER: 133:295361
TITLE: **Clostridium difficile recombinant toxin A** repeating units as a carrier protein for conjugate vaccines
INVENTOR(S): Wilkins, Tracy D.; Lylerly, David M.; Moncrief, J. Scott; Pavliakova, Danka; Scheerson, Rachel; Robbins, John B.
PATENT ASSIGNEE(S): Techlab, Inc., USA; United States Dept. of Health and Human Services
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061761	A2	20001019	WO 2000-US9523	20000410
WO 2000061761	A3	20010222		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-128686	P 19990409
			US 2000-186201	P 20000301

L13 ANSWER 2 OF 2 USPATFULL
ACCESSION NUMBER: 2001:67794 USPATFULL
TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities
INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6228983	B1	20010508
APPLICATION INFO.:	US 1995-485264		19950607 (8)
RELATED APPLN. INFO.:			Division of Ser. No. US 1995-470896, filed on 6 Jun 1995 Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933
DOCUMENT TYPE:			Utility
FILE SEGMENT:			Granted
PRIMARY EXAMINER:			Scheiner, Laurie
ASSISTANT EXAMINER:			Parkin, Jeffrey S.
LEGAL REPRESENTATIVE:			Pennie & Edmonds LLP
NUMBER OF CLAIMS:			62
EXEMPLARY CLAIM:			1
NUMBER OF DRAWINGS:			84 Drawing Figure(s); 83 Drawing Page(s)

LINE COUNT: 32166
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:742256 CAPLUS
DOCUMENT NUMBER: 133:295361
TITLE: **Clostridium difficile recombinant toxin A repeating units as a carrier protein for conjugate vaccines**
INVENTOR(S): Wilkins, Tracy D.; Lylerly, David M.; Moncrief, J. Scott; Pavliakova, Danka; Scheerson, Rachel; Robbins, John B.
PATENT ASSIGNEE(S): Techlab, Inc., USA; United States Dept. of Health and Human Services
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061761	A2	20001019	WO 2000-US9523	20000410
WO 2000061761	A3	20010222		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-128686	P 19990409
			US 2000-186201	P 20000301

L11 ANSWER 2 OF 2 USPATFULL
ACCESSION NUMBER: 2001:67794 USPATFULL
TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities
INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6228983	B1	20010508
US 1995-485264		19950607 (8)
RELATED APPLN. INFO.:		Division of Ser. No. US 1995-470896, filed on 6 Jun 1995 Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Scheiner, Laurie	
ASSISTANT EXAMINER:	Parkin, Jeffrey S.	
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP	
NUMBER OF CLAIMS:	62	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	84 Drawing Figure(s); 83 Drawing Page(s)	

LINE COUNT: 32166
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L14 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2000:742256 CAPLUS
DOCUMENT NUMBER: 133:295361
TITLE: **Clostridium difficile recombinant toxin A repeating units as a carrier protein for conjugate vaccines**
INVENTOR(S): Wilkins, Tracy D.; Lylerly, David M.; Moncrief, J. Scott; Pavliakova, Danka; Scheerson, Rachel; Robbins, John B.
PATENT ASSIGNEE(S): Techlab, Inc., USA; United States Dept. of Health and Human Services
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061761	A2	20001019	WO 2000-US9523	20000410
WO 2000061761	A3	20010222		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 1999-128686	P 19990409
			US 2000-186201	P 20000301

L14 ANSWER 2 OF 13 USPATFULL
ACCESSION NUMBER: 2001:157798 USPATFULL
TITLE: Vaccine and antitoxin for the treatment of C. difficile disease
INVENTOR(S): Kink, John A., Madison, WI, United States
Thalley, Bruce S., Madison, WI, United States
Stafford, Douglas C., Madison, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6290960	B1	20010918
APPLICATION INFO.:	US 1997-915136		19970820 (8)
RELATED APPLN. INFO.:			Continuation of Ser. No. US 1995-480604, filed on 7 Jun 1995, now patented, Pat. No. US 5736139
			Continuation-in-part of Ser. No. US 1995-422711, filed on 14 Apr 1995, now abandoned Continuation-in-part of Ser. No. US 1995-405496, filed on 16 Mar 1995, now patented, Pat. No. US 5919665 Continuation-in-part of Ser. No. US 1994-329154, filed on 24 Oct 1994, now abandoned Continuation-in-part of Ser. No. US 1993-161907, filed on 2 Dec 1993, now patented, Pat. No. US 5601823 Continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 Continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented, Pat. No. US 5196193
DOCUMENT TYPE:			Utility

FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Navarro, Albert
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 55 Drawing Figure(s); 54 Drawing Page(s)
LINE COUNT: 11041

L14 ANSWER 3 OF 13 USPATFULL
ACCESSION NUMBER: 2001:157785 USPATFULL
TITLE: Ionic polymers as toxin-binding agents
INVENTOR(S): Fitzpatrick, Richard, Marblehead, MA, United States
Huval, Chad Cori, Somerville, MA, United States
Bacon Kurtz, Caroline Isabelle, Sudbury, MA, United States
Mandeville, III, W. Harry, Lynnfield, MA, United States
Neenan, Thomas X., Cambridge, MA, United States
GelTex Pharmaceuticals, Inc., Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6290947	B1	20010918
APPLICATION INFO.:	US 2000-597343		20000619 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-412474, filed on 5 Oct 1999, now abandoned Continuation of Ser. No. US 1997-934495, filed on 19 Sep 1997, now patented, Pat. No. US 6007803		

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Dodson, Shelley A.
LEGAL REPRESENTATIVE: Hamilton, Brook, Smith & Reynolds, P.C.
NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1
LINE COUNT: 2094

L14 ANSWER 4 OF 13 USPATFULL
ACCESSION NUMBER: 2001:157784 USPATFULL
TITLE: Anionic polymers as toxin binders and antibacterial agents
INVENTOR(S): Kurtz, Caroline Isabelle Bacon, Sudbury, MA, United States
Fitzpatrick, Richard, Marblehead, MA, United States
GelTex Pharmaceuticals, Inc., Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6290946	B1	20010918
APPLICATION INFO.:	US 2000-569276		20000511 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2000-541268, filed on 3 Apr 2000		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-133975	19990513 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Fubara, Blessing	
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)	

LINE COUNT: 1935

L14 ANSWER 5 OF 13 USPATFULL
ACCESSION NUMBER: 2001:125541 USPATFULL
TITLE: Anionic polymers as toxin binders
INVENTOR(S): Bacon Kurtz, Caroline Isabelle, Sudbury, MA, United States
PATENT ASSIGNEE(S): Fitzpatrick, Richard, Marblehead, MA, United States
GelTex Pharmaceuticals, Inc., Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6270755	B1	20010807
APPLICATION INFO.:	US 2000-541268		20000403 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-133975	19990513 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Fubara, Blessing	
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1310	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 6 OF 13 USPATFULL
ACCESSION NUMBER: 2001:67794 USPATFULL
TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities
INVENTOR(S): Barney, Shawn O'Lin, Cary, NC, United States
Lambert, Dennis Michael, Cary, NC, United States
Petteway, Stephen Robert, Cary, NC, United States
PATENT ASSIGNEE(S): Trimeris, Inc., Durham, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6228983	B1	20010508
APPLICATION INFO.:	US 1995-485264		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-470896, filed on 6 Jun 1995 Continuation-in-part of Ser. No. US 1994-360107, filed on 20 Dec 1994 Continuation-in-part of Ser. No. US 1994-255208, filed on 7 Jun 1994 Continuation-in-part of Ser. No. US 1993-73028, filed on 7 Jun 1993, now patented, Pat. No. US 5464933		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Laurie		
ASSISTANT EXAMINER:	Parkin, Jeffrey S.		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	62		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	84 Drawing Figure(s); 83 Drawing Page(s)		
LINE COUNT:	32166		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 7 OF 13 USPATFULL
ACCESSION NUMBER: 2000:80408 USPATFULL
TITLE: Compositions for the prevention and treatment of verotoxin-induced disease

INVENTOR(S): Williams, James A., Lincoln, NE, United States
Byrne, Lisa Marie, Stoughton, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Wisconsin, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6080400		20000627
APPLICATION INFO.:	US 1997-816977		19970313 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-410058, filed on 24 Mar 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Housel, James C.		
ASSISTANT EXAMINER:	Devi, S.		
LEGAL REPRESENTATIVE:	Medlen & Carroll, LLP		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	5468		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L14 ANSWER 8 OF 13 USPATFULL
ACCESSION NUMBER: 1999:170197 USPATFULL
TITLE: Ionic polymers as toxin binding agents
INVENTOR(S): Mandeville, III, W. Harry, Lynnfield, MA, United States
Neenan, Thomas X., Boston, MA, United States
PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6007803		19991228
APPLICATION INFO.:	US 1997-934495		19970919 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Clardy, S. Mark		
ASSISTANT EXAMINER:	Shelborne, Kathryn E.		
LEGAL REPRESENTATIVE:	Hamilton, Brook, Smith & Reynolds, P.C.		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1832		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L14 ANSWER 9 OF 13 USPATFULL
ACCESSION NUMBER: 1999:75522 USPATFULL
TITLE: Vaccine for clostridium botulinum neurotoxin
INVENTOR(S): Williams, James A., Madison, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5919665		19990706
APPLICATION INFO.:	US 1995-405496		19950316 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-329154, filed on 25 Oct 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-161907, filed on 2 Dec 1993, now patented, Pat. No. US 5601823 which is a continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 which is a continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented, Pat. No. US 5196193, issued on 23 Mar 1993		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: Granted
PRIMARY EXAMINER: Eisenschenk, Frank C.
ASSISTANT EXAMINER: Rabin, Evelyn
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 31 Drawing Figure(s); 29 Drawing Page(s)
LINE COUNT: 9164
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 10 OF 13 USPATFULL
ACCESSION NUMBER: 1998:118999 USPATFULL
TITLE: Recombinant clostridial toxin protein
INVENTOR(S): Williams, James A., Madison, WI, United States
Kink, John A., Madison, WI, United States
Clemens, Christopher M., Madison, WI, United States
Carroll, Sean B., Cottage Grove, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5814477		19980929
APPLICATION INFO.:	US 1995-457048		19950601 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-161907, filed on 2 Dec 1993, now patented, Pat. No. US 5601823 which is a continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 which is a continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented, Pat. No. US 5196193, issued on 23 Mar 1993		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Eisenschenk, Frank C.		
LEGAL REPRESENTATIVE:	Medlen & Carroll, LLP		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 14 Drawing Page(s)		
LINE COUNT:	3080		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L14 ANSWER 11 OF 13 USPATFULL
ACCESSION NUMBER: 1998:64730 USPATFULL
TITLE: Clostridium difficile toxin disease therapy
INVENTOR(S): Williams, James A., Madison, WI, United States
Kink, John A., Madison, WI, United States
Clemens, Christopher M., Madison, WI, United States
Carroll, Sean B., Cottage Grove, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5762934		19980609
APPLICATION INFO.:	US 1995-456847		19950601 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-161907, filed on 2 Dec 1993, now patented, Pat. No. US 5601823 which is a continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 which is a continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented, Pat. No. US 5196193 And Ser. No. US 1992-842709, filed on 26 Feb 1992, now abandoned which is a continuation-in-part of Ser. No. US -429791		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: Granted
PRIMARY EXAMINER: Eisenschenk, Frank C.
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3124
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 12 OF 13 USPATFULL
ACCESSION NUMBER: 1998:36359 USPATFULL
TITLE: Treatment of **Clostridium difficile**
induced disease
INVENTOR(S): Kink, John A., Madison, WI, United States
Thalley, Bruce S., Madison, WI, United States
Stafford, Douglas C., Madison, WI, United States
Firca, Joseph R., Vernon Hills, IL, United States
Padhye, Nisha V., Madison, WI, United States
PATENT ASSIGNEE(S): Ochidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5736139		19980407
APPLICATION INFO.:	US 1995-480604		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-422711, filed on 14 Apr 1995 which is a continuation-in-part of Ser. No. US 1995-405496, filed on 16 Mar 1995 which is a continuation-in-part of Ser. No. US 1994-329154, filed on 24 Oct 1994 which is a continuation-in-part of Ser. No. US 1993-161907, filed on 2 Dec 1993, now patented, Pat. No. US 5601823 which is a continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 which is a continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented, Pat. No. US 5196193, issued on 23 Mar 1993		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Eisenschenk, Frank C.
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 28
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 55 Drawing Figure(s); 53 Drawing Page(s)
LINE COUNT: 11770
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 13 OF 13 USPATFULL
ACCESSION NUMBER: 97:12173 USPATFULL
TITLE: Avian antitoxins to clostridium difficile **toxin A**
INVENTOR(S): Williams, James A., Madison, WI, United States
Kink, John A., Madison, WI, United States
Clemens, Christopher M., Madison, WI, United States
Carroll, Sean B., Cottage Grove, WI, United States
PATENT ASSIGNEE(S): Ophidian Pharmaceuticals, Inc., Madison, WI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5601823		19970211
APPLICATION INFO.:	US 1993-161907		19931202 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-985321, filed on 4 Dec 1992 which is a continuation-in-part of Ser. No. US 1989-429791, filed on 31 Oct 1989, now patented,		

Pat. No. US 5196193
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Eisenschenk, Frank C.
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 14 Drawing Figure(s); 14 Drawing Page(s)
LINE COUNT: 3128
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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